

## EAST Search History

| Ref # | Hits   | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|--------|--|---|------------------|---------|------------------|
| S132  | 53     | "nucleophilic addition" same "conjugated unsaturated"                          | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR               | ON      | 2009/07/02 00:52 |
| S133  | 21623  | nucleophile  | US-PGPUB; USPAT; USOCR                          | OR               | ON      | 2009/07/02 11:21 |
| S134  | 855179 | thiol\$4 or amin\$4  | US-PGPUB; USPAT; USOCR                          | OR               | ON      | 2009/07/02 11:21 |
| S135  | 856235 | S133 or S134   | US-PGPUB; USPAT; USOCR                          | OR               | ON      | 2009/07/02 11:21 |
| S136  | 25915  | (conjugated adj unsaturated) or electrophil\$3                                 | US-PGPUB; USPAT; USOCR                          | OR               | ON      | 2009/07/02 11:21 |
| S137  | 7373   | S135 with S136   | US-PGPUB; USPAT; USOCR                          | OR               | ON      | 2009/07/02 11:21 |
| S138  | 2836   | S137 and @py<="2003"   | US-PGPUB; USPAT; USOCR                          | OR               | ON      | 2009/07/02 11:21 |
| S139  | 965    | S138 and conjugated  | US-PGPUB; USPAT; USOCR                          | OR               | ON      | 2009/07/02 11:21 |
| S140  | 66544  | hydrogel   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR               | ON      | 2009/07/02 11:21 |
| S141  | 383    | PEGDA  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR               | ON      | 2009/07/02 11:21 |
| S142  | 693159 | michael  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR               | ON      | 2009/07/02 11:21 |
| S143  | 8437   | michael near (addition or reaction)  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR               | ON      | 2009/07/02 11:21 |
| S144  | 56469  | (424/180.1 435/6 435/188 424/94.3 424/177.1 424/181.1 424/422 536/24.1). ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR               | ON      | 2009/07/02 11:21 |

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| S145 | 128 | S144 and (conjugated or nucleophilic).clm. same (two three four five six multiple)   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/07/02 11:21 |
| S146 | 5   | S144 and (conjugated and nucleophilic).clm. same (two three four five six multiple)  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/07/02 11:21 |
| S147 | 53  | "nucleophilic addition" same "conjugated unsaturated"  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/07/02 11:21 |
| S148 | 79  | peg\$3 near3 (thiol mercapto) near3 (polymer polymeriz\$6 polymeric)   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/07/02 11:25 |
| S149 | 12  | peg\$3 near3 (thiol mercapto) near3 (polymer polymeriz\$6 polymeric) and @py<="1999"   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/07/02 11:26 |
| S150 | 12  | peg\$3 near3 (thiol mercapto) near3 (polymer polymeriz\$6 polymeric) and @py<="1999" and (peg\$3 thiol mercapto polymer polymeriz\$ polymeric)         | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/07/02 11:30 |
| S151 | 9   | peg\$3 near3 (thiol mercapto) near3 (polymer polymeriz\$6 polymeric) and @py<="1999" and (peg\$3 thiol mercapto polymer polymeriz\$ polymeric) and gel | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/07/02 11:33 |
| S152 | 69  | S142 and S141  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/07/02 12:42 |
| S153 | 0   | S142 near S141   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/07/02 12:42 |
| S154 | 2   | S142 near3 S141  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2009/07/02 12:42 |

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| S155 | 1439    | PEG near3 gel   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR | ON | 2009/07/02<br>13:09 |
| S156 | 32941   | dithiol\$ dimercapto\$<br>bisthio\$ bismercapto\$                             | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR | ON | 2009/07/02<br>13:10 |
| S157 | 314     | S155 and S156   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR | ON | 2009/07/02<br>13:10 |
| S158 | 4       | (PEG near3 gel) near3<br>(dithiol\$ dimercapto\$<br>bisthio\$ bismercapto\$)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR | ON | 2009/07/02<br>13:11 |
| S159 | 48      | (PEG) near3 (dithiol\$<br>dimercapto\$ bisthio\$<br>bismercapto\$)            | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR | ON | 2009/07/02<br>15:16 |
| S160 | 50      | (linker) near3 (dithiol\$<br>dimercapto\$ bisthio\$<br>bismercapto\$)         | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR | ON | 2009/07/02<br>15:22 |
| S161 | 9       | (linker) near3 (dithiol\$<br>dimercapto\$ bisthio\$<br>bismercapto\$) and peg | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR | ON | 2009/07/02<br>15:22 |
| S162 | 1484901 | peg (polyethylene<br>glycol)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR | ON | 2009/07/02<br>17:49 |
| S163 | 198748  | thiol mercapto  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR | ON | 2009/07/02<br>17:50 |
| S164 | 16085   | S162 same S163  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR | ON | 2009/07/02<br>17:50 |
| S165 | 2142    | S162 near3 S163   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR | ON | 2009/07/02<br>17:50 |
| S166 | 425     | S165 and<br>@py<"1997"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR | ON | 2009/07/02<br>17:50 |

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| S167 | 386130  | acrylate                 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR   | ON | 2009/07/02<br>17:51 |
| S168 | 3211123 | polymer\$4               | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR   | ON | 2009/07/02<br>17:51 |
| S169 | 3525    | S163 S167 S168           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | SAME | ON | 2009/07/02<br>17:51 |
| S170 | 780968  | protein peptide          | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | OR   | ON | 2009/07/02<br>17:51 |
| S171 | 257     | S163 S167 S170           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO;<br>DERWENT | SAME | ON | 2009/07/02<br>17:51 |
| S172 | 188     | S163 S167 S170           | US-PGPUB;<br>USPAT                                       | SAME | ON | 2009/07/02<br>17:52 |
| S173 | 7210    | diacrylate tetraacrylate | US-PGPUB;<br>USPAT                                       | SAME | ON | 2009/07/02<br>17:52 |
| S174 | 4       | S172 and S173            | US-PGPUB;<br>USPAT                                       | SAME | ON | 2009/07/02<br>17:52 |
| S175 | 4801    | erickson.inv.            | US-PGPUB;<br>USPAT                                       | SAME | ON | 2009/07/02<br>21:21 |
| S176 | 1       | "3300419".pn.            | US-PGPUB;<br>USPAT                                       | SAME | ON | 2009/07/02<br>21:21 |

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